

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled).

Claim 2 (Previously Presented): The process according to claim 19, wherein at 23°C the gel coat material displays an elongation at break measured as per DIN EN ISO 527 of at least 3%.

Claim 3 (Previously Presented): The process according to claim 19, wherein the polyurethane gel coat material is not completely cured at the time when it is brought into contact with the synthetic resin.

Claim 4 (Previously Presented): The process according to claim 19, wherein the synthetic resin used comprises one or several reinforcing materials.

Claim 5 (Previously Presented): The process according to claim 4, wherein the reinforcing material is glass fiber fabric, glass fiber nonwoven, carbon fiber fabric and/or carbon fiber bonded fabric.

Claim 6 (Previously Presented): The process according to claim 19, wherein the polyol component comprises one or several polyether polyols.

Claim 7 (Previously Presented): The process according to claim 19, wherein the polyol component contains:

A1) one or several low molecular weight polyols with a molecular weight of 150 to 600 g/mol and a hydroxyl group concentration of 4 to 20 mol hydroxyl groups per kg of low molecular weight polyol and/or

A2) one or several higher molecular weight polyols and

A3) one or several aromatic amines.

Claim 8 (Previously Presented): The process according to claim 19, wherein the aromatic amine, dissolved in toluene 20 wt.% amine in toluene, mixed at 23°C with an equimolar quantity of an oligomeric HDI isocyanate with an NCO content of about 5.2 mol/kg and a viscosity in the range from 2750 to 4250

mPas, dissolved in toluene 80 wt. % isocyanate in toluene gives a gel time of more than 30 seconds determined as per E-DIN VDE 0291-2, 1997-06, section 9.2.1.

Claim 9 (Previously Presented): The process according to claim 19, wherein the aromatic amine is a methylenebisaniline.

Claim 10 (Previously Presented): The process according to claim 9, wherein the aromatic amine is 4,4'-methylenebis-(3-chloro-2,6-diethylaniline).

Claim 11 (Previously Presented): The process according to claim 19, wherein the content of aromatic amine in the polyol component, based on the total mass of the polyol and aromatic amine, lies in the range from 0.1 to 20 wt.%.

Claim 12 (Previously Presented): The process according to claim 7, wherein the content of low molecular weight polyol in the polyol component, based on the total mass of polyol and aromatic amine, lies in the range from 2 to 70 wt.%.

Claim 13 (Previously Presented): The process according to claim 12, wherein the content of low molecular weight polyol in the polyol component, based on the total mass of polyol and

aromatic amine, lies in the range from 5 to 60 wt.%.

Claim 14 (Previously Presented): The process according to claim 7, wherein the hydroxyl group concentration of the low molecular weight polyol lies in the range from 4.5 to 15 mol hydroxyl groups per kg of low molecular weight polyol.

Claim 15 (Previously Presented): The process according to claim 7, wherein the low molecular weight polyol is selected from straight-chain or branched polyester polyols, polyether polyols, acrylate polyols and polyols based on dimeric fatty acids.

Claim 16 (Previously Presented): The process according to claim 7, wherein the higher molecular weight polyol is selected from polyester polyols and polyether polyols, acrylate polyols and polyols based on dimeric fatty acids.

Claim 17 (Previously Presented): The process according to claim 7, wherein the content of higher molecular weight polyol in the polyol component, based on the total mass of polyol and aromatic amine, lies in the range from 75 to 10 wt.%.

Claim 18 (Currently Amended): The process ~~use~~ according to claim 19, wherein the aromatic polyisocyanate is monomeric, oligomeric or polymeric polyisocyanate.

Claim 19 (Currently Amended): Process for the production of synthetic resin composite materials with polyurethane gel coats, which comprises

(i) the mixing of a ~~two-component composition which comprises~~ a polyol component A) and a polyisocyanate component B), wherein

A) ~~a~~ the polyol component, ~~which~~ contains one or several polyols and one or several aromatic amines and has a hydroxyl group concentration of 0.5 to 10 mol hydroxyl

groups per kg of polyol component, and

B) ~~a~~ the polyisocyanate component ~~which~~ contains one or several aromatic polyisocyanates,

and at least partial curing of the mixture to form a gel coat material and

(ii) the bringing of the ~~mixture~~ gel coat material into contact with synthetic resin, wherein the synthetic resin comprises epoxy resin and/or vinyl ester resin and is not, or not completely, cured at the time when it is brought into contact with the gel coat material.

Claim 20 (Original): Synthetic resin composite material with polyurethane gel coat, producible by the process according to claim 19.

Claim 21 (Currently Amended): Composite material according to claim 20, wherein it is a ~~wind~~ rotor vane for wind power plants, or a part thereof.